Program Description/Textbook or Print Instructional Material

Vendor:__Delmar Learning__ Web Address:__www.delmar.com_____

Title: ___Science of Earth Systems_____

Author: __Butz_____ Copyright: _____2004_____

ISBN: _____0-7668-3391-7_____ Course/Content Area:_Vocational and Career Education;
 Agriculture; Agricultural Education

Intended Grade or Level: _____9-12_____ Readability Level:___10.5 (Flesch Kincaid)_____

List Price: __78.95_____ Lowest Wholesale Price: _____58.75_____

All materials bid as of July 1, 2003 must be offered in an alternative format for students who require reading accommodations. A description of the levels of accommodation is included on p. 8-9 of this bid packet. The Kentucky Department of Education must receive a copy of the alternative format if the material is placed on the State Multiple List.

Level of Accomodations (Level One, Two or Three)_____Level Three_____

If Level Two or Three, please provide rationale for not meeting Level One Compliance__It is_not financially feasible for our products to meet Level One at this time.

FEATURES

DISCLAIMER: The features of each book or program were developed by the publisher and do not reflect the opinion of the State Review Team, State Textbook Commission, nor of the Kentucky Department of Education.

Content

- Science of Earth Systems brings together research from across scientific disciplines to provide a thorough understanding of the processes of the Earth's systems and how they interact.
- With clear, easy-to-read text and full-color photos, tables, charts, and illustrations, this book offers an accessible glimpse into the complexities of the Earth and its systems.
- Topics covered include the role of science and technology in society, matter and energy, astronomy, geology, meteorology, oceanography, biology, environmental science, and much more.
- Science of Earth's Systems explains how scientists have found it necessary to share their research across disciplines to try and comprehend Earth's complexities, and how they are being affected by human activities.
- It brings together the interactions that occur in the living and non-living world, and provides readers with a solid understanding of the processes that take place on and around Earth and the synergies that exist between them.

Student Experiences

- Clear, accessible descriptions help readers understand the complexities of the Earth and its systems
- Perfect for students of earth science, environmental science, and general science.

Assessment

In Science of Earth's Systems, academics of science are united with in various fields of study to collaborate efforts to benefit Earth and its systems. The text explains how scientists have found it necessary to share their research across disciplines to try and understand Earth's complexities, and how they are being affected by human activities. It brings together the interactions that occur in the living and non-living world, and provides students with a solid understanding of the processes that take place on and around Earth and the synergies that exist between them. Topics covered include the role of science and technology in society; matter and energy; astronomy; geology; meteorology; oceanography; biology; environmental science; and much more.

Organization

- Topics covered include the role of science and technology in society; matter and energy; astronomy; geology; meteorology; oceanography; biology; environmental science; and much more.
- Correlates the sciences to show the interrelationship of processes that take place on and around the earth
- With colorful photo references, charts and tables, to help illustrate the subjects, this text is an valuable resource for learners of science in the twenty-first century.
- Full-color photos, tables, charts, and artwork beautifully illustrate scientific concepts.

Resource Materials

Gratis Items To Be Provided And Under What Conditions
Instructor's Manual (0-7668-3392-5) Free 1 per teacher
ClassMaster (0-7668-3395-x) Free 1 per teacher

Available Ancillary Materials

RESEARCH DATA AND EVIDENCE OF EFFECTIVENESS

DISCLAIMER: The research data and evidence of effectiveness was provided by the publisher and does not reflect the opinion of the State Review Team, State Textbook Commission, nor the Kentucky Department of Education.

*NOTE: Please complete this section by indicating the research data and evidence of effectiveness or give a web site where the information is located. If there is no research data and evidence of effectiveness, please indicate **"not available"** in the space.*

Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Forestry/Resource Management

Title: Science Earth System	$58.75

Publisher: Delmar

Item Evaluated: Textbook

Copyright Date: 2004	**Evaluator: DJ Matherly & Pam Zeller**
Content Level: 9-12	**Date of Evaluation 28 July 03**

Level of Alternative Format	Level 1 – Full Compliance	Level 2 – Provisional Compliance	Level 3 – Marginal Compliance
This section completed by Exceptional Children Services			

Overall Strengths and/or Weaknesses

Disclaimer: Comments on the strengths and/or weaknesses of each book, material or program were written by members of the State Textbook/Instructional Materials Review Team and reflect their opinions . They do not reflect the opinions of the State Textbook Commission nor the Kentucky Department of Education. In addition, the State Textbook/ Instructional Materials Review Team completed each evaluation form during the week of July 28-Aug. 1, 2003. In order to maintain the integrity of the of the review team's comments, editing was limited to spelling and punctuation.

Recommendations:
X☐ Recommended by reviewers to State Textbook Commission
☐ Not recommended by reviewers to State Textbook Commission

Publisher's Explanation of Reviewer's Comments: By action of the State Textbook Commission, publishers are provided limited space, 150 words, to respond to what they may consider factual errors made by the reviewers in the evaluation.

Group V - Career/Technical Vocational/Practical Living Education Instructional Materials Evaluation Tool Forestry/Resource Management

Title: Science Earth System	Publisher Delmar

Technology Management Summary Data:	20 possible points	_____n/a___ points earned

Technology Management Comments:

Technology Presentation/Interface Summary Data:	40 possible points	_____23_____ points earned

Technology Presentation/Interface Comments:

Content Summary Data:	48 possible points	____16_____ points earned

Content Comments:

Instruction & Management Summary Data	52 possible points	____47_____points earned

Instruction & Management Comments:

Organization & Structure Summary Data	36 possible points	_____36_____ points earned

Organization & Structure Comments:

Resource Material Summary Data	40 possible points	_____40____points earned

Resource Material Comments:

Group V - Career /Technical & Vocational/Practical Living
Electronic Instructional Media Review Form
Stand Alone/Independent or Integrated Software for Forestry/Resource Management

Equipment (circle or change fill color)	Grade Level (circle or change fill color)	Audience (circle or change fill color)	Format (circle or change fill color)
Windows	Primary		Stand Alone/Independent
Macintosh	Intermediate	XX Individual	Integrated
XX CD-ROM	Middle	Small Group	XX Supplemental
DVD	XX High	Large Group	In lieu of basal test
Sound			
Other			

If other, explain

Cost _____

_____single copy	_____site license
_____network version	_____school version
____lab pack of ___ copies	_____online

Type of Software: Check all that apply	_____Simulation	_____Management	_____Interdisciplinary	_____Problem Solving	____Tutorial
_____Exploratory	_____Creativity	_____Drill and Practice	_____Critical Thinking	_____Utility	__X___Other:

Rating Scale:	3—Some of the time	1—None of the time
4—All or the time	2—Minimally	0— Not applicable

Management	Rating
Allows customizing for individual learning needs.	
Allows students to exit and resume at a later time.	
Keeps a students performance record, where needed.	
Allows control of various aspects of the software (e.g., turning sound off).	
Allows for printed reports.	
Comments:	**Total**

Presentation/Interface	Rating
Presents material in an organized manner.	4
Has consistent, easy-to-use, on-screen instructions.	4
Has developmentally correct presentation format.	4
Adapts to different learning environments (learning styles/multiple intelligences, etc.)	2
Accessible for special needs students.	0
Runs smoothly, without long delays.	4
Presents easy-to-view text and graphics.	4
Presents easy-to-hear and understand sounds.	0
Avoids unnecessary screens, sounds, and graphics.	3
Provides immediate, appropriate feedback.	**0**
Comments:	**Total 23**

Content—Agriculture/Production	Rating
Career Focus/Employability Skills/Workplace Readiness Skills	0
Supervised Agricultural Experience (Work Based Learning)	0
Leadership Development / FFA Student Organization	0
Forestry	4
Environmental Sciences/Technology	4
Wildlife Resources	4
Plant & Land Science	4
Aquaculture	0
Sales & Marketing/Planning, Analysis, Strategies, etc.	0
Technology in Agriculture (Food Animal, Plant, Crop Environmental, Bio-Tech)	**0**
Emerging Agricultural Technologies (GIS, GPS, Tissue Culture, Cloning, etc.	0
Agriscience Principles	0
Comments:	16

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable

Instruction and Assessment	Rating
Identifies a Sense of Purpose	4
Builds on Student Ideals	4
Engages Students	4
Develops Forestry/Resource Management Ideas	2
Promotes Student Thinking	4
Assesses Student Progress	4
Enhances The Learning Environment	4
Reading level is appropriate for interest and ability level of intended student group; level remains consistent throughout.	4
Commonwealth Accountability Testing System (CATS) "like" Assessment is provided	4
Variety of Assessments (diagnostic, formative, summative, open response, multiple choice, individual, small group, oral, demonstrations, presentations, self and peer performance, portfolio prompts) is included.	4
Includes activities and opportunities for integration of technology.	4
Reflects researched-based practices (e.g. hands-on activities, technology, problem-solving situations)	2
Differentiation techniques and activities suggested.	3
Comments:	**Total 47**

Rating Scale:	3 – Some potential for learning	1 - Not present
4 – High potential for learning	2 – Little potential for learning	0 – Not applicable

Organization and Structure	Rating
Organization is logical and allows for spiraling of content.	4
Vocabulary and key terms are clearly defined and easily accessible within each lesson.	4
Visual illustrations (e.g. graphs, charts, models) and examples are clearly presented and content-related.	4
Illustrations and language reflect diversity (e.g. racial, ethnic, cultural, age, gender, disabilities).	4
Legible type, length of lines, spacing, and page layout and width of margins contribute to overall appearance and use.	4
Student materials seem durable and conducive to daily use.	4
Includes sufficient glossary, index and appendices.	4
Employs accurate grammar and spelling	4
Organization of material can be effectively used with Standards Based Units, Core Content and Program of Studies.	4
Comments:	**Total 36**

Resource Materials	Rating
Teacher materials coordinate easily with student materials (e.g. additional resources included at point of need, student pages shown, integration of technology indicated)	4
Activities are included that adapt to the various learning styles, intelligences, and interest/ability levels.	4
Extension activities including adaptations and accommodations for students with special needs.	4
Resources provide objectives, background information, common student errors, hints, advice for lesson implementation and real-world connections, connections with career and/technology and references (e.g. solution manuals, study guides)	4
Suggestions are made for integration of themes and /or interdisciplinary instruction.	4
Integration opportunities suggested and examples given.	4
Teacher resources are available online.	4
Online resources available – Repeat of information in text.	4
Online resources available – Practice skills only.	4
Online resources available – New application materials.	4
Comments:	**Total 40**

Rating Scale:	2—Minimally
4—All or the time	1—None of the time
3—Some of the time	0— Not applicable